

# SOPRASOLAR

## FIX EVO TILT (TPO)

June 2024

### DESCRIPTION:

SOPRASOLAR FIX EVO TILT system is a solar waterproofing solution for flat roofs as a support for photovoltaic panels. It allows connection between the panel and cap sheet membrane without drilling into it and compromising the waterproofing properties of the roof.

### KEY FEATURES:

- High puncture resistance
- Installed without roof drilling
- Quick installation
- No thermal bridging

#### SOPRASOLAR FIX EVO TILT COMPONENTS

The SOPRASOLAR FIX EVO PEDESTAL is a factory assembled height-adjustable pedestal mechanically fastened to a piece of waterproofing membrane.

The LOWER RAISER and the UPPER RAISER allow the addition of a 10% slope to photovoltaic panels.

The RAISER BLOCKER ensures that the raiser blocks stay in place on the pedestals.

#### MATERIAL

Polyamide 6 with 30% fibreglass filler

6060 T6 primary aluminum

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#### DIMENSIONS

##### PEDESTAL

300 mm x 300 mm x 120 mm to 160 mm

##### LOWER RAISER

40 mm x 120 mm x 45 mm

##### UPPER RAISER

40 mm x 120 mm x 200 mm

##### RAISER BLOCKER

50 mm x 125 mm x 25 mm



### APPLICATION METHOD:

SOPRASOLAR FIX EVO TILT is installed in total adhesion by heat welded on horizontal surfaces of SBS and APP membranes.

### INSTALLATION PROCEDURE:

#### Substrate

- No work should be started until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator.

#### Installation

- Install the FLAGON TPO membrane on the roof.
- Mark the location of the SOPRASOLAR FIX EVO PEDESTAL on the FLAGON TPO membrane according to the pattern supplied by the contractor in charge of the photovoltaic panels.
- Clean the FLAGON TPO membrane where the pedestal will be welded.
- Install the pedestal onto the marked area.
- Weld the flanges using a hot air welder.

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For complete information on product installation, please consult your Equus Representative.

### PACKAGING:

SPECIFICATIONS	SOPRASOLAR FIX EVO TILT
Total weight	1.2 kg
Material	TPO
Membrane thickness	1.8 mm

### TECHNICAL DATA:

PROPERTIES	STANDARDS	SOPRASOLAR FIX EVO TILT
Reinforcement	-	Polyester matrix
Vertical tensile strength (pedestal)	-	1700 N
Maximum tensile force at break	EN 12311-2	≥1100 N/5 cm
Elongation at break	EN 12311-2	15%
Pliability at low temperature	EN 495-5	-40°C
Dimensional stability after 5 hours at 80°C	EN 1107-2	<0.5 %
Static puncture resistance method A	EN 12730:2001	≥20 kg
Nail tear strength	EN 12310-1	≥500 N
Durability test -temperature ageing: 24 weeks -pliability (UEATC guide 4.4.1.1 EN 495-5) -tensile strength - elongation (UEATC guide 4.4.1.1 EN 12311-2)		Δ ≤10°C +/- 20%

### STORAGE AND HANDLING:

The elements of the system must be stored protected. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

### STATEMENT OF RESPONSIBILITY:

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.

### WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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### MANUFACTURERS CONTACT DETAILS:

Manufacture location	France
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	<a href="http://www.soprema.com.au">www.soprema.com.au</a>
Manufacturer email	<a href="mailto:info@soprema.com.au">info@soprema.com.au</a>
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962